COLORBEAM®
PROFESSIONAL LED LIGHTING

User Guide

D200-H4

LED DMX DRIVER 200 H4
Control Systems

Version 1.0 December 2013

SPECIFICATION

Electrical

Power Voltage : 90-132VAC / 180-264VAC, 50-60Hz
(Voltage switch in the internal power of the display)
Power Consumption : 200W
Power Output : 4 way(RJ45)*48VDC, 340±10mA
Protocol: USITT DMX512-A

Communication

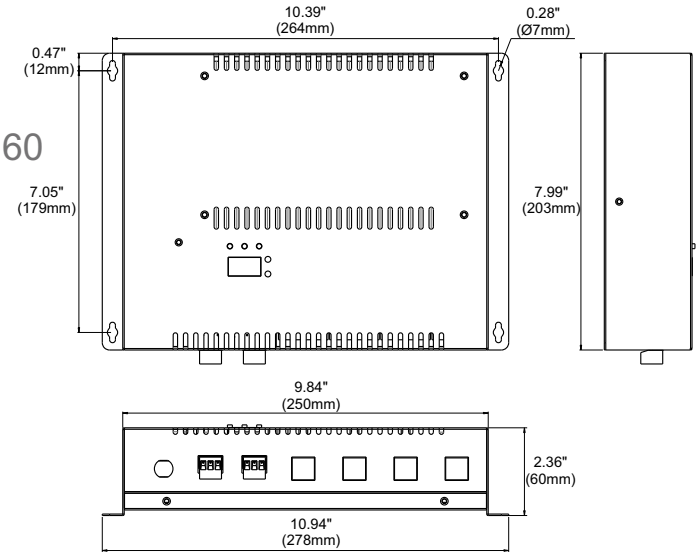
DMX Connecter: Terminal Block 3P
Output Connecter: RJ-45

Housing

Dimension(mm) : L278 × W203 × H60
Weight : 2.5 KG
Material: Metal
Color: Black

Listing

Certifications: CE / RoHS / WEEE
Fixture Warranty: 1 Year

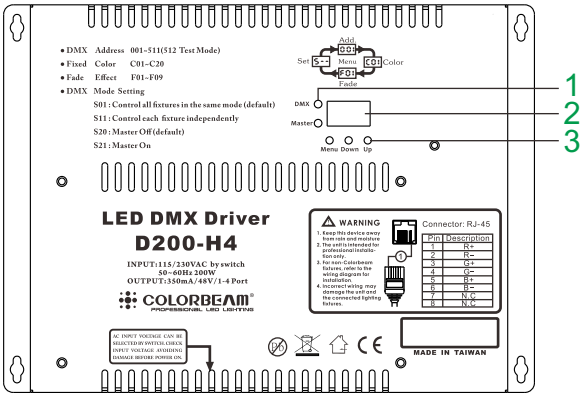


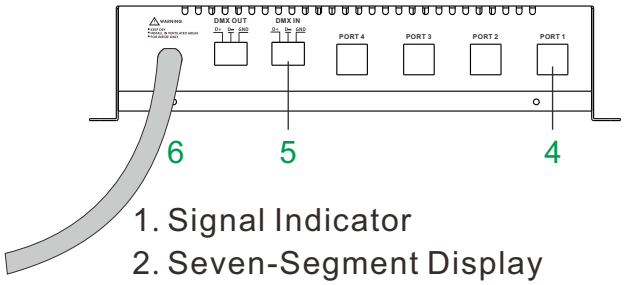
Feature

1.Combined power supply with DMX driver, 4 outputs, total 200 Watts.
2.USITT DMX512 Standard Protocol to work with Orbit TP or other DMX controllers.
3.LCD for easy operation.
4.20 fixed colors and 9 color changing effects.
5.Master / Slave mode.
6.3-Pin terminal block for DMX brings a more convenient wiring and installation.
7.Light and compact volume without space limits.

FUNCTION SCHEMA
WIRING DIAGRAM

FUNCTION SCHEMA



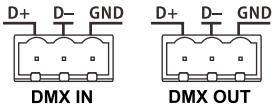


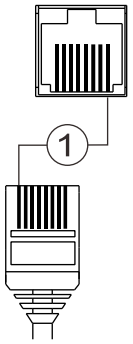
1. Signal Indicator
2. Seven-Segment Display
3. Function Key
4. Output Connecter RJ-45
5. DMX Connecter 3-Pin Terminal Block
6. 90-132VAC/180-264VAC, 56-60Hz

WIRING DIAGRAM

RJ-3 IP-20

3PIN DMX Connecter PIN No. Description



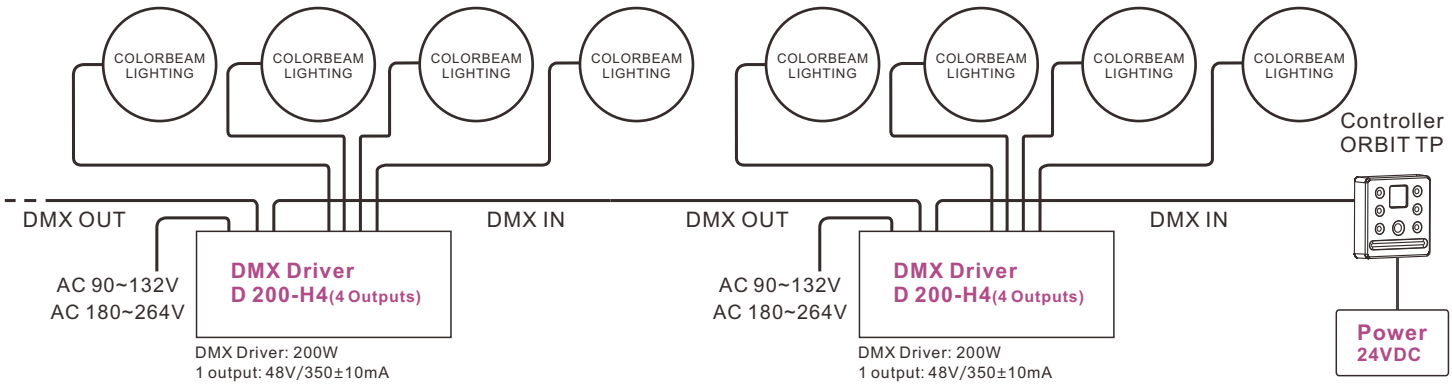


Connector: RJ-45

Pin	Description
1	R+
2	R–
3	G+
4	G–
5	B+
6	B–
7	N.C
8	N.C

CAUTION:

Do not hot swap. Ensure that power to the fixture is off before connecting or disconnecting fixtures.



NOTICE:

1. Please notice the idea of the wiring for all Colorbeam fixture is in series connection.
2. The wiring of the customized is different from the commercially available. Please refer our accessory RJ-2 and RJ-3 to do the extension and the split.
3. The warranty will be invalid when the fixture is not under normal usage (including trimming the cable and do wiring by user).
   Please contact with your sales representative for the detailed information if the trimming will be happen.

WARNING

Read the instructions carefully before you install or powering!

CAUTION!
Be careful with your operations.
You can suffer a dangerous electric shock when touch the wires inside the unit.

1. Safety Instructions

Every person involved with installation and maintenance of the this device has to :
-be qualified.
-following the instructions of manual

Please make sure that there are no obvious transport damages.

Please immediately contact the local dealers as the device is in fault operation or damage.

Damages caused by the disregard of this user manual or unauthorized modification to products are not subject to warranty.

Important

Keep this driver away from rain and moisture.
Unplug mains lead before opening the housing.
Make sure the plug is tightly connected with outlet.
Make sure all connector are connected properly.
Make sure the AC power that complies with local electrical codes.
Do not expose the device to heat source, corrosive, flammable or explosive area.
Do not block any of ventilation openings.
Do not open the device and try to repair the device personally.

2. Operation Determinations

The device must only be used indoor.

CAUTION!
For non-Colorbeam fixtures, refer to the wiring diagram for installation.

If the device has been exposed to drastic temperature fluctuation, do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

Only operate the device after having checked the housing which is firmly closed and all screws are tightly fastened. Do not shake the device. Avoid brute force when installing or operating the device.

Operate the device only after having familiarized with its functions. Do not permit operation by persons who are not qualified for operating the device. Most damages are the result of unprofessional operation!

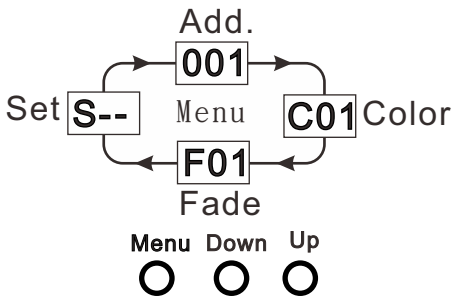
The maximum ambient temperature 40 degree must never be exceeded.
Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

OPERATION

Attention: It is important to read this manual before you install or use this product.

D200-H4 Operation

1. Turn on / off the power
2. Fixed Color (20 colors):
   There are 20 built-in fixed colors in the device. Press **Menu**, the display will show "**C01**" on the display. Then the user can press **Down** or **Up** to select the desired color from C01~C20.
3. Fade Effect (9 programs):
   There are 9 built-in fade programs in the device. Press **Menu**, the display will show "**F01**" on the display.
   Then the user can press **Down** or **Up** to select the desired fade program from F01~F09.
   The fade time of the effect can be changed from 1 to 20 scale.
   e.g. F03 is running, the fade time can be changed by pressing **Menu** and **Hold** for 3 seconds. The display will show 2 digits on the display.
   The fade time can be adjusted from 1 to 20 by pressing **Down** and **Up**, and confirm the adjustment by pressing **Menu**.
4. DMX Address Setting:
   Press **Menu** and the display shows the initial DMX address "**001**" . The user can select the desired address from 001~511 by pressing **Down** or **Up**.
   DMX address "**512**" is test mode.
5. DMX Mode Setting:
   The following mode can be selected by pressing **Menu** to confirm it.
   Press **Menu** first and the display shows "**S--**". And press **Down** or **Up** to select the desired program from S01~S21.



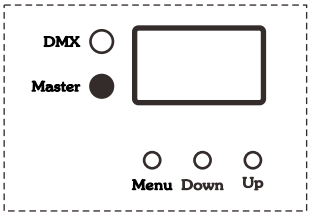
DMX No.	Mode
S01	Control all of LED fixtures in the same channel (default)
S11	Control all of LED fixtures independently
S20	Master off (default)
S21	Master on

Note:
The slave drivers must be set add. 001 when running Master / Slave function.

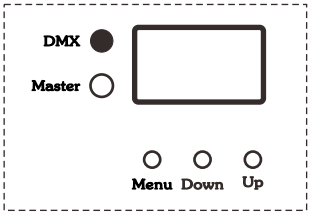
OPERATION

6. Signal Indicator:

(1) Receive Master Signal: The green light shows when the lighting fixture has been set as **Master**.



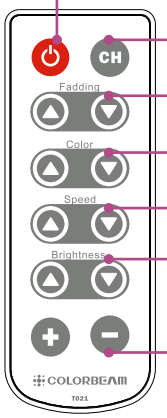
(2) Receive DMX Signal: The green light shows when the lighting fixture is receiving DMX Signal.



7. Sleeping Mode:

The control unit will go into **Sleeping Mode** automatically in the event of no instruction from the keypad after 1 minute. Under Sleeping Mode, the control unit is functional but the display is off and the keypad is locked. To leave the Sleeping Mode, the user can press **Menu** and hold for 5 sec. till the display is on. When using the DMX Address to control the lighting fixture, the Sleeping Mode will start after 30 sec. Press **Menu** and hold for 5 sec. to leave the Sleeping Mode.

T-021 Remote Operation



Press this bottom to turn ON/OFF the device.

Press CH on the remote, the device will fade out to sleeping mode and the screen is off. Press CH again to start operating.

Press ▲ and ▼ to select the fading mode. (9 built-in fade programs)

Press ▲ and ▼ to select the solid color. (20 built-in fixed colors)

Press ▲ and ▼ to adjust the fading speed from 1~20 scale.

Press ▲ and ▼ to adjust the brightness. The brightness adjusting function is available on remote only.
Note: In FADING mode, the lowest brightness value can only be adjust to the 100(100~255).

Press + − to set the DMX address in any condition.

INFORMATION

ORDER

POWER		
ITEM	Spec.	PART NUMBER
D200-H4	4 Output / 3 Colors	GORC1201
ORBIT TP	CONTROLLER	GOBC0111

PARAMETER OF RGB

DMX No.	R	G	B
C01	100	0	0
C02	100	0	100
C03	100	0	50
C04	50	0	100
C05	100	0	20
C06	100	15	100
C07	100	15	50
C08	50	15	100
C09	0	0	100
C10	0	40	100
C11	0	15	100
C12	0	100	60
C13	0	100	30
C14	100	100	30
C15	0	60	100
C16	0	100	0
C17	100	80	0
C18	50	100	0
C19	100	15	0
C20	100	100	100

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